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SPRING RUNOFF SUMMARY

1987

Alberta
ENVIRONMENT

NOV 23 1987

SPRING RUNOFF SUMMARY

1987

prepared by

the RIVER FORECAST CENTRE

and

the SURVEY BRANCH

TECHNICAL SERVICES DIVISION

WATER RESOURCES MANAGEMENT SERVICES

ALBERTA ENVIRONMENT

November 1987

Alberta
ENVIRONMENT

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NOTE:

The River Forecast Centre and the Survey Branch of Alberta Environment gratefully acknowledge the assistance of Environment Canada (the Atmospheric Environment Service and Water Survey of Canada) in providing precipitation and streamflow information for this report.

All streamflow hydrographs presented in this report are based on tentative hydrometric records, and are subject to revision.

SPRING RUNOFF SUMMARY - 1987

In contrast to southern and central Alberta, the fall of 1986 was relatively dry in northern Alberta with precipitation ranging from below normal to near normal. Although the winter was mild, precipitation was near normal. As shown in Figure 5, precipitation in the High Level and Fort Chipewyan areas during the month of March was much above normal and the snowpack increased substantially as a result. The average daily air temperature was slightly above normal during April and May with below normal precipitation in these areas.

Spring runoff volumes and peak flows in northern Alberta ranged from below normal to much above normal in 1987. The runoff season was generally over by the middle of May. Minor flooding caused by the rising water level of Hay (Zama) Lake was reported at the Assumption Indian Reserve in early May. Flooding was also reported along the Ponton River north of the town of Fort Vermilion.

In this report, index hydrometric stations were selected to reflect the spring runoff conditions in each of the 15 zones. The streamflow hydrographs for these index stations are presented in Figures 6 to 20. For each figure, the average spring runoff peak discharge, average time of peak discharge, and actual spring runoff volume occurring in 1987 as a percent of average is given along with the 1987 hydrograph for purposes of comparison.

Snow course data for the plains area snow courses in Alberta measured by Alberta Environment are presented beginning on page 27. A map and index for the snow courses is provided following the data section.

SPRING RUNOFF

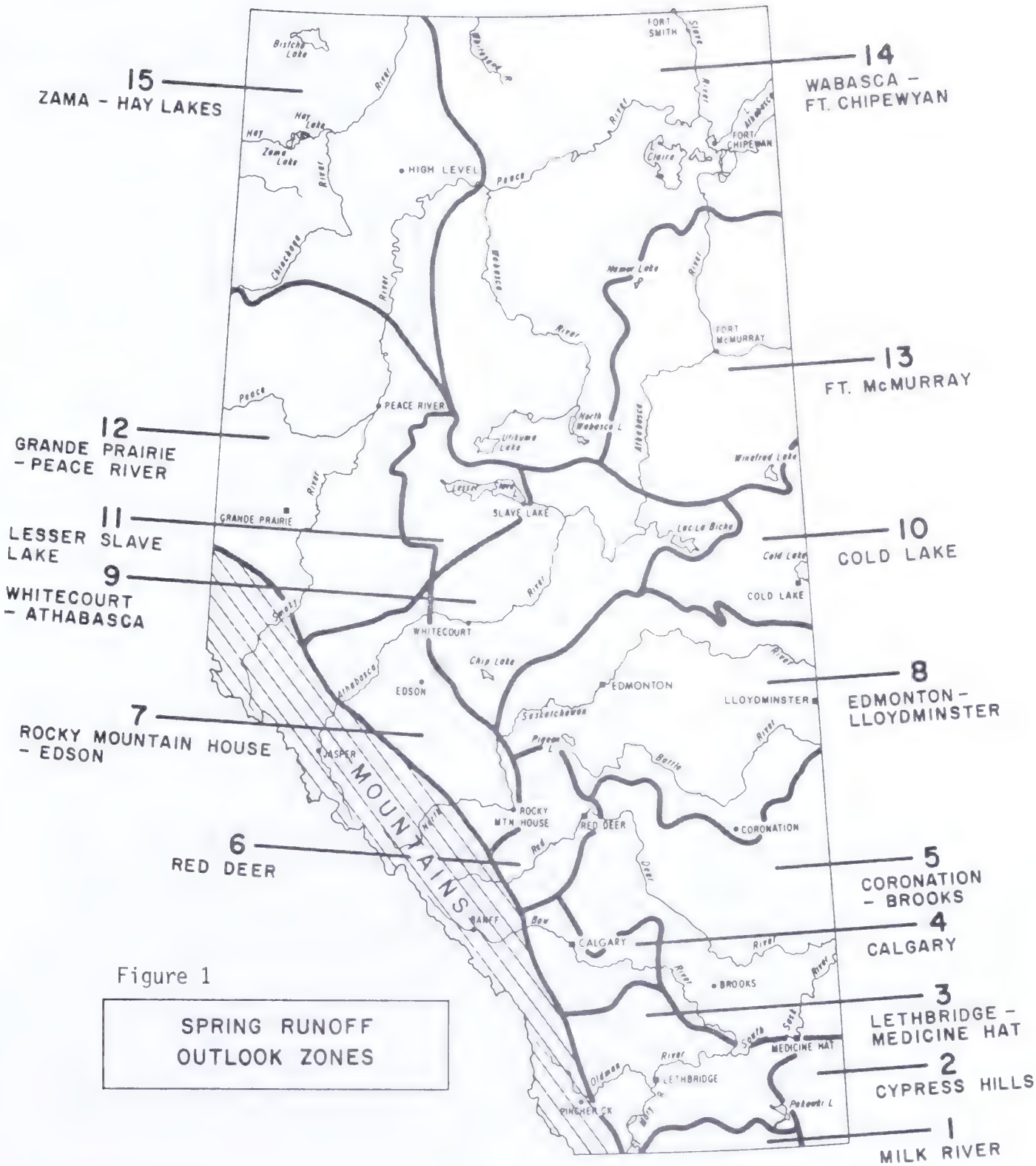


Figure 1

SPRING RUNOFF OUTLOOK ZONES

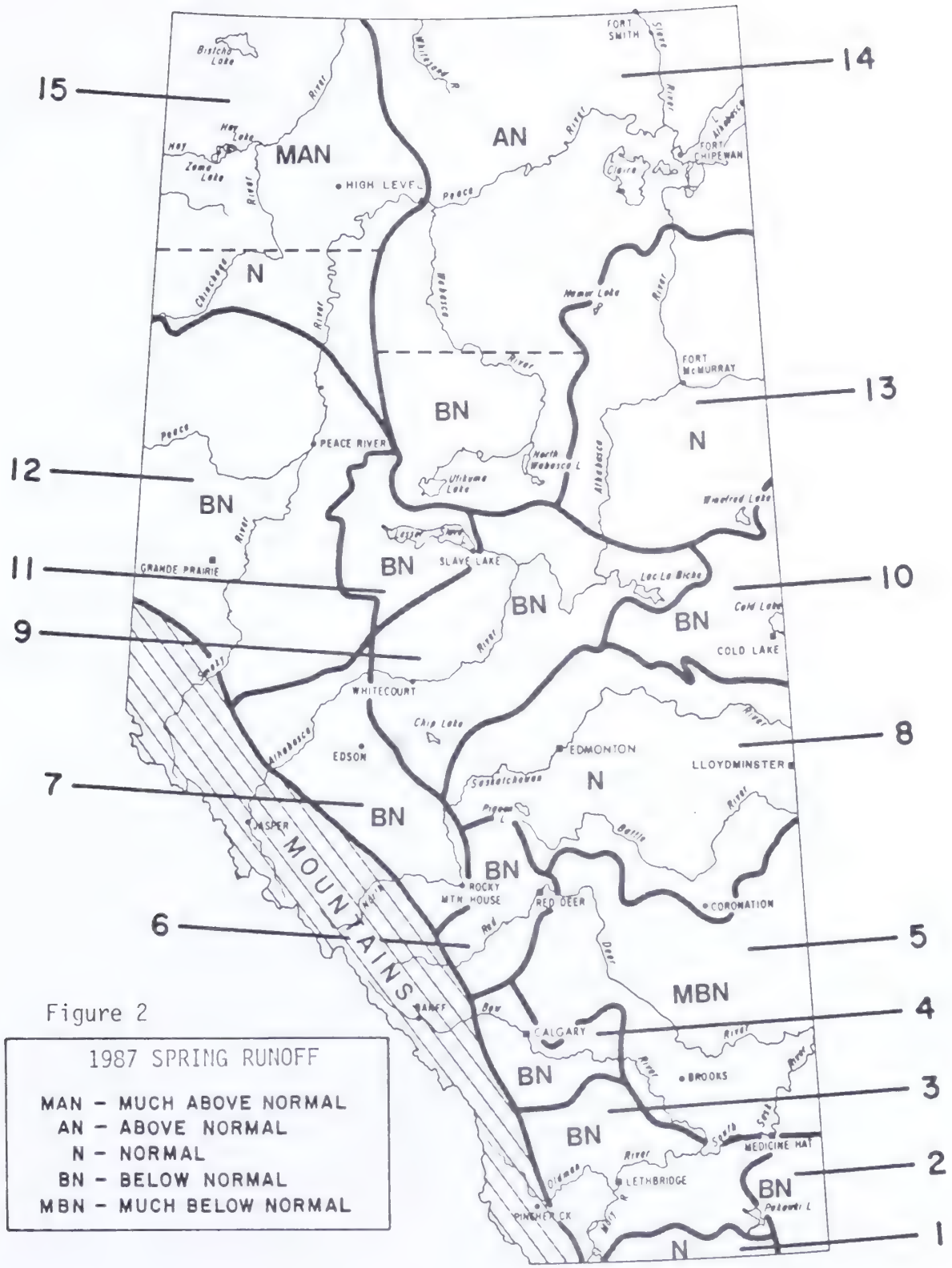


Figure 2

1987 SPRING RUNOFF

MAN – MUCH ABOVE NORMAL
AN – ABOVE NORMAL
N – NORMAL
BN – BELOW NORMAL
MBN – MUCH BELOW NORMAL

Alberta ENVIRONMENT

PRECIPITATION MAPS

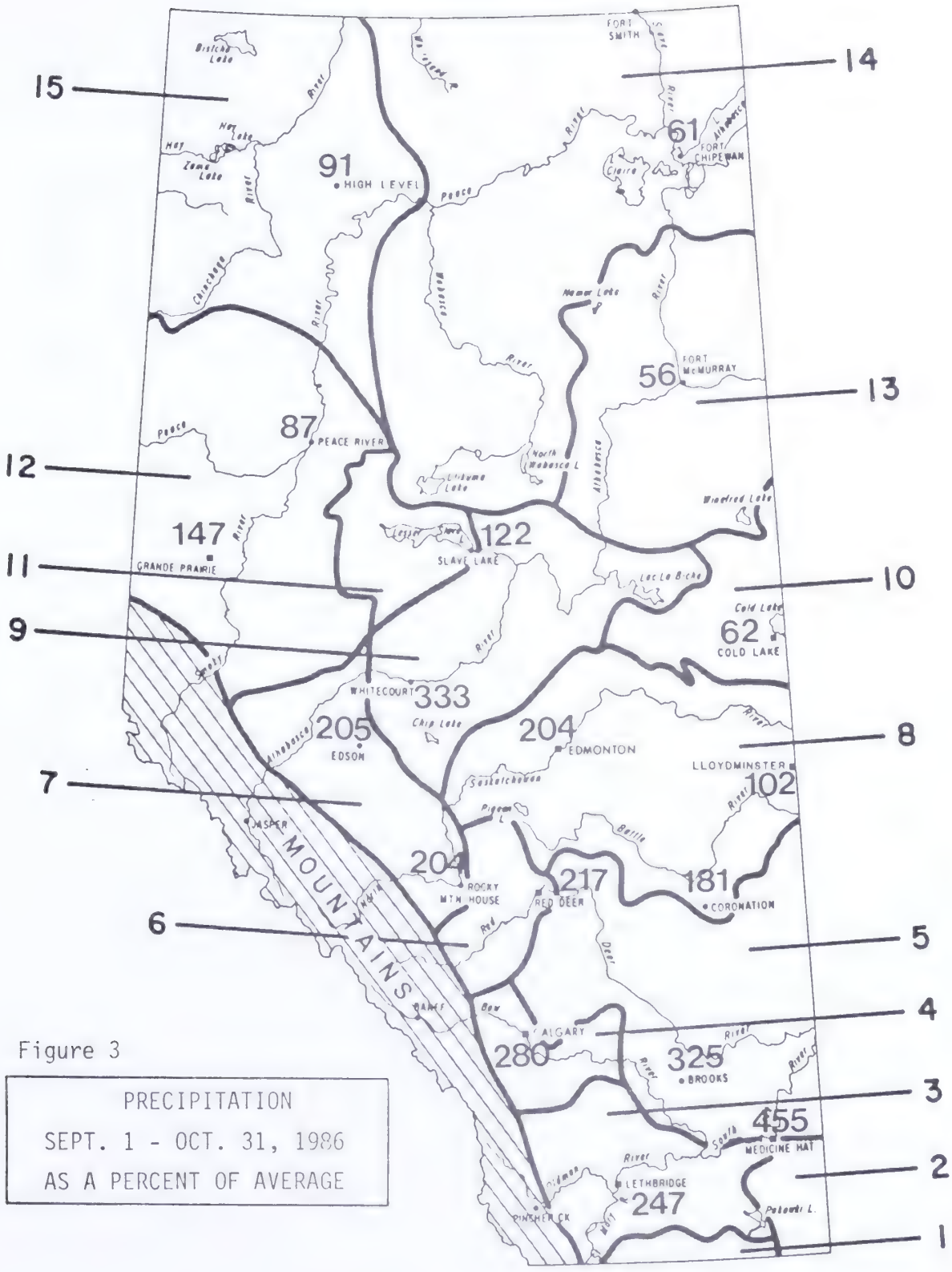


Figure 3

PRECIPITATION
SEPT. 1 - OCT. 31, 1986
AS A PERCENT OF AVERAGE

Alberta

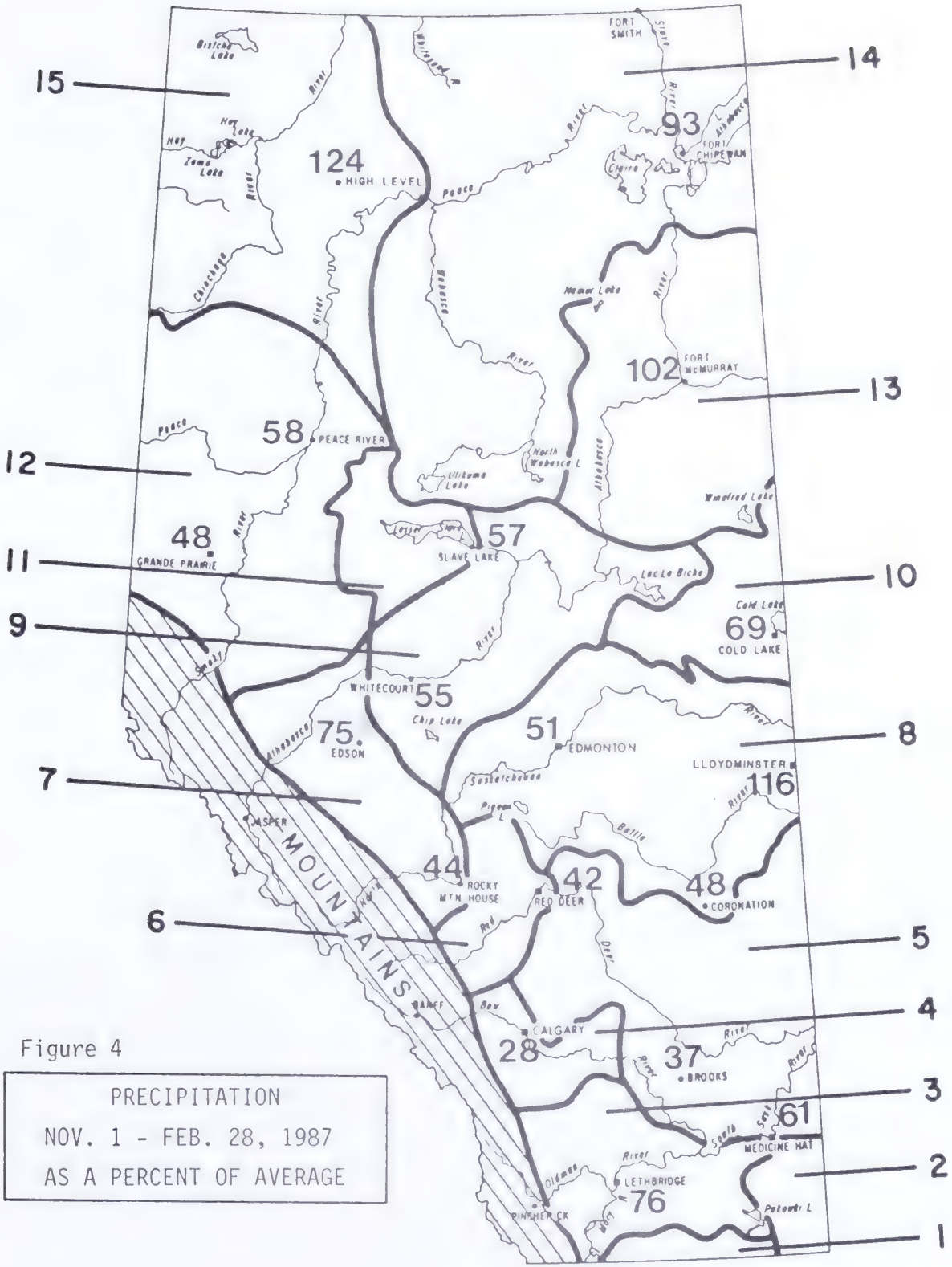


Figure 4

PRECIPITATION
NOV. 1 - FEB. 28, 1987
AS A PERCENT OF AVERAGE

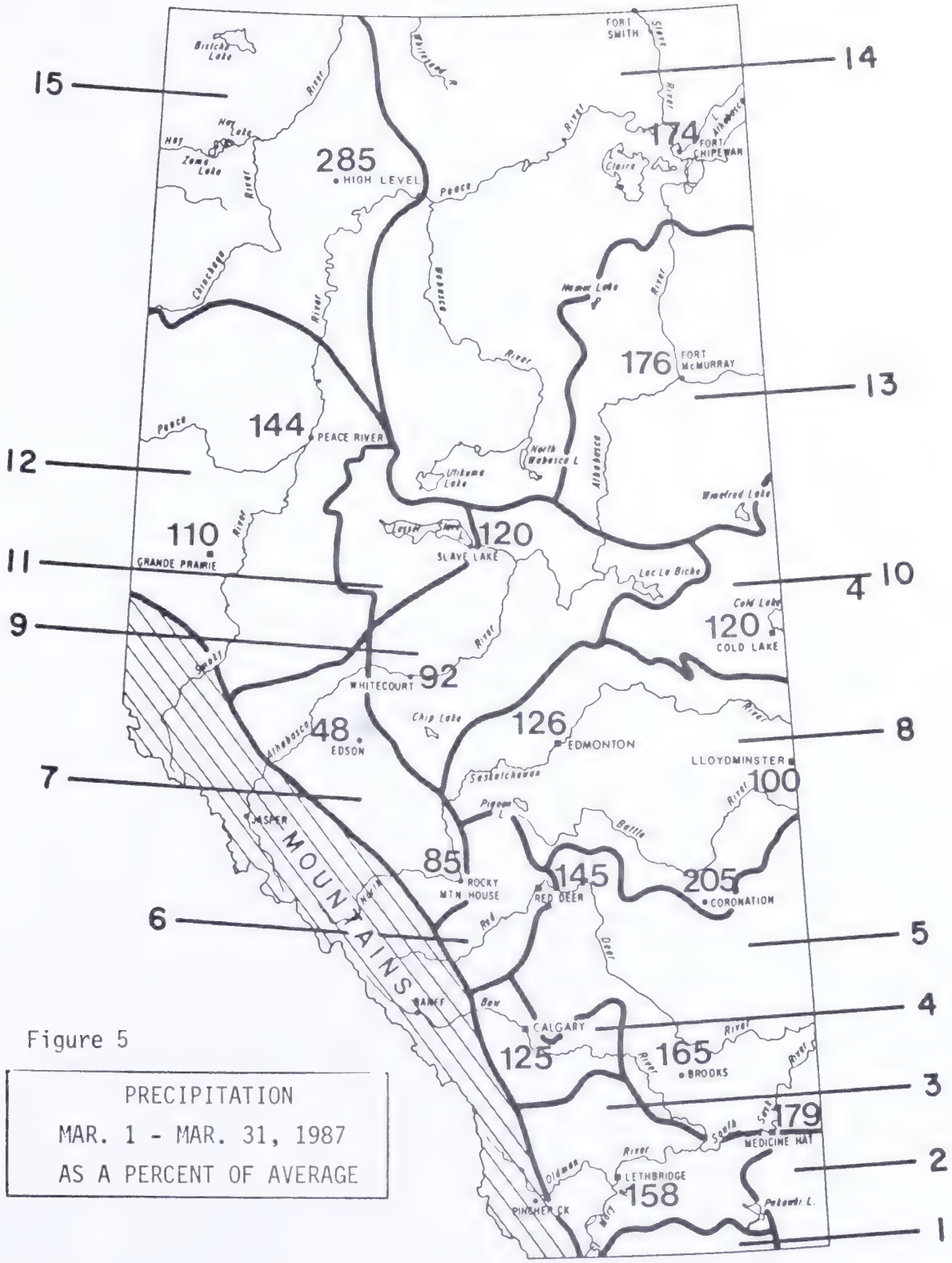


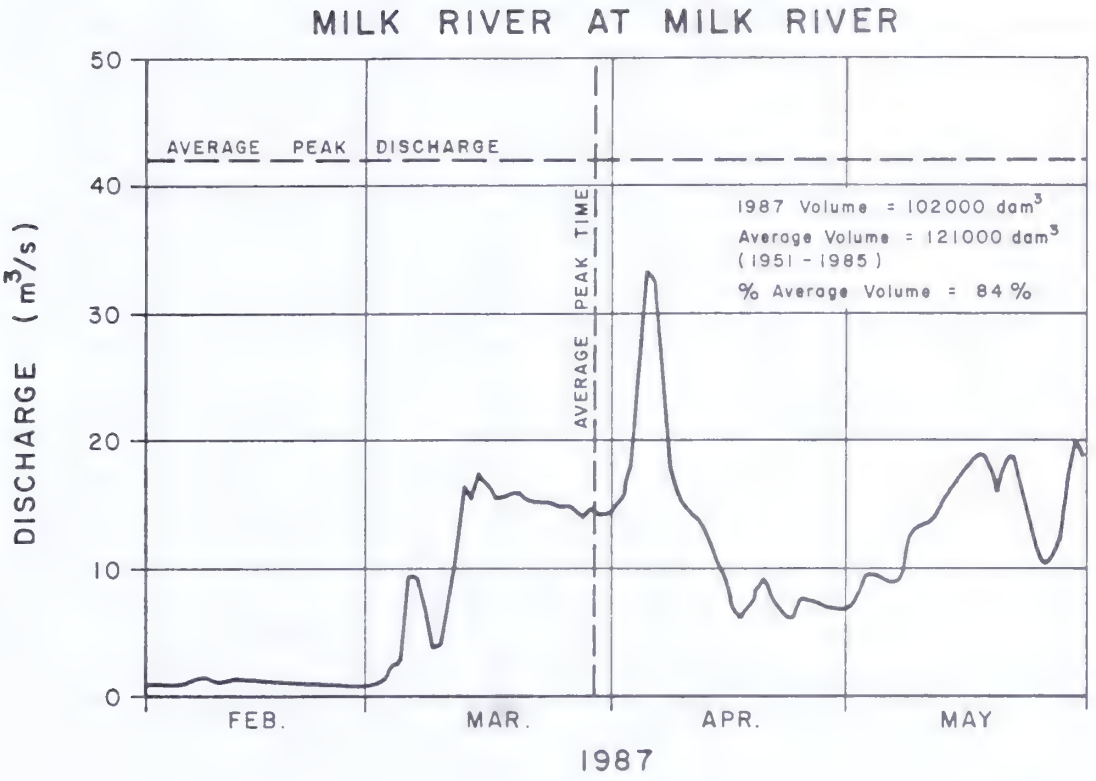
Figure 5

PRECIPITATION
MAR. 1 - MAR. 31, 1987
AS A PERCENT OF AVERAGE

Alberta

STREAMFLOW HYDROGRAPHS

NOTE: All streamflow hydrographs presented in this report are based on tentative hydrometric records and are subject to revision.



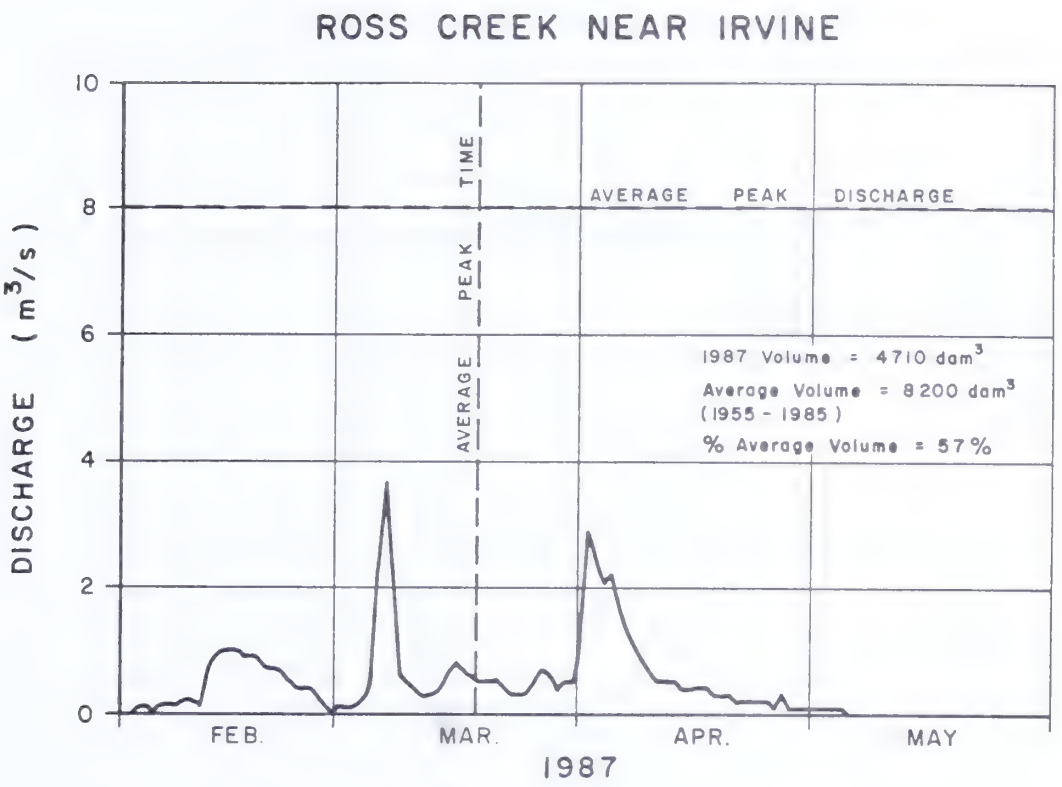
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 6

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
MILK RIVER AREA
(ZONE 1)

Alberta
ENVIRONMENT



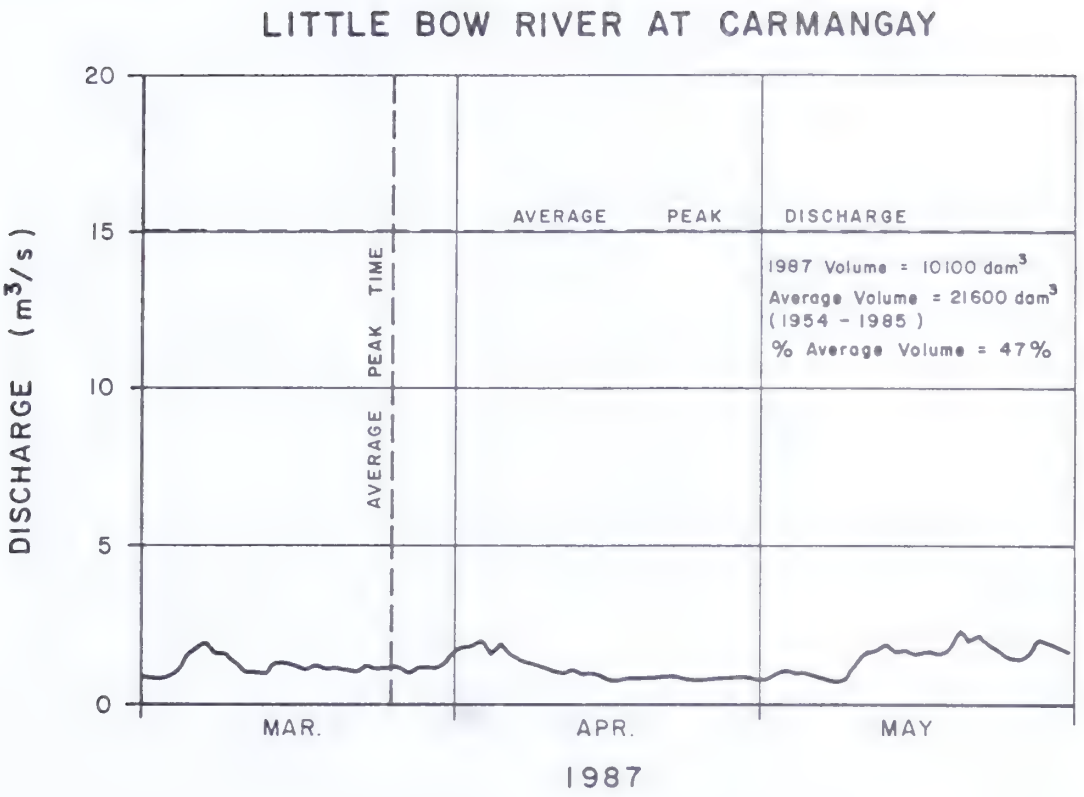
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as indication of normal behaviour.

Figure 7

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
CYPRESS HILLS AREA
(ZONE 2)

Alberta
ENVIRONMENT



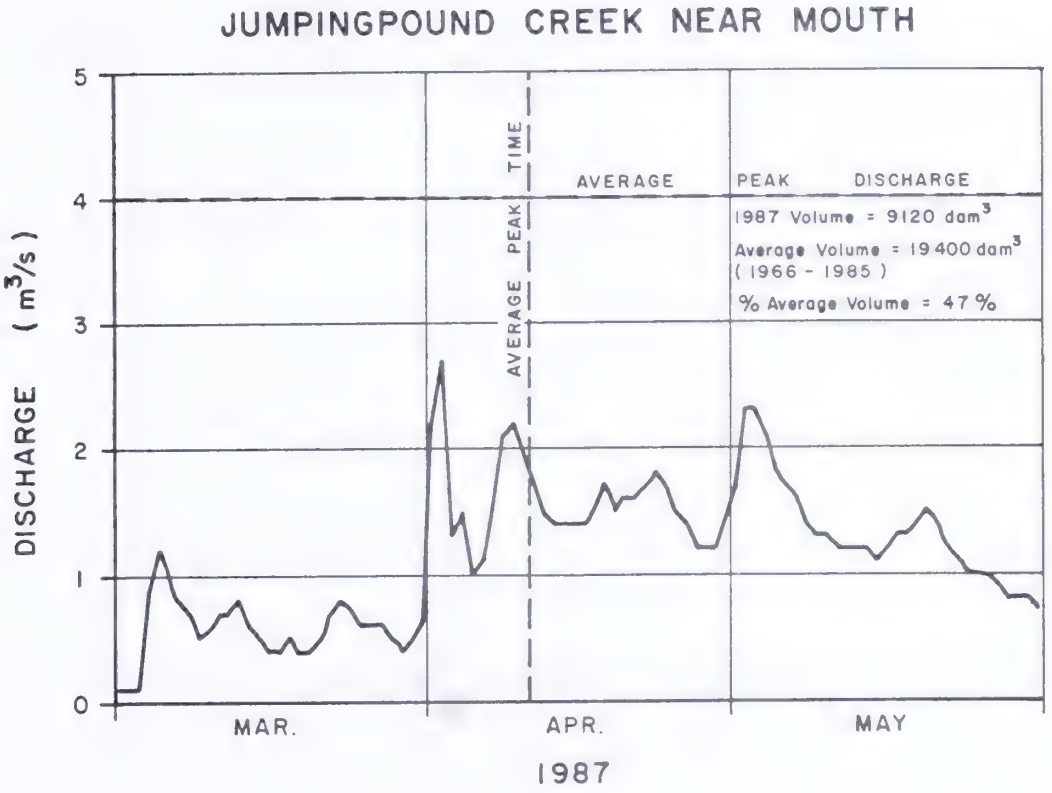
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 8

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
LETHBRIDGE - MEDICINE HAT AREAS
(ZONE 3)

Alberta
ENVIRONMENT



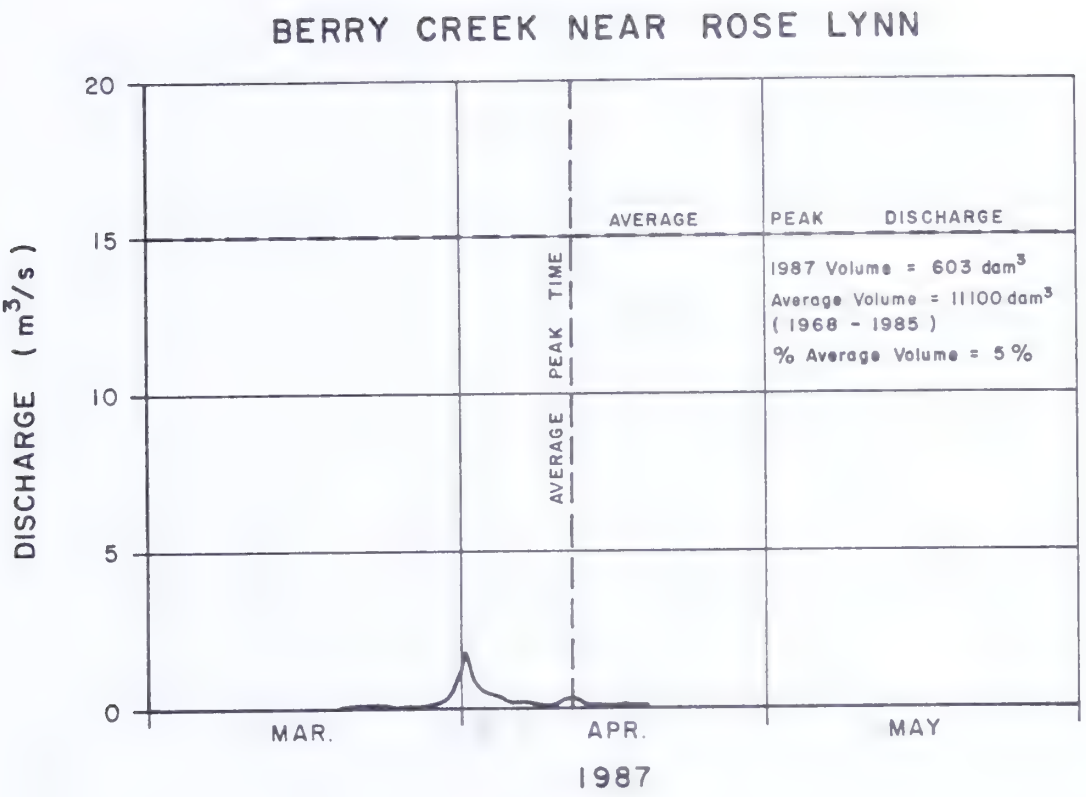
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 9

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
CALGARY AREA
(ZONE 4)

Alberta
ENVIRONMENT



NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 10

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
CORONATION - BROOKS AREA
(ZONE 5)

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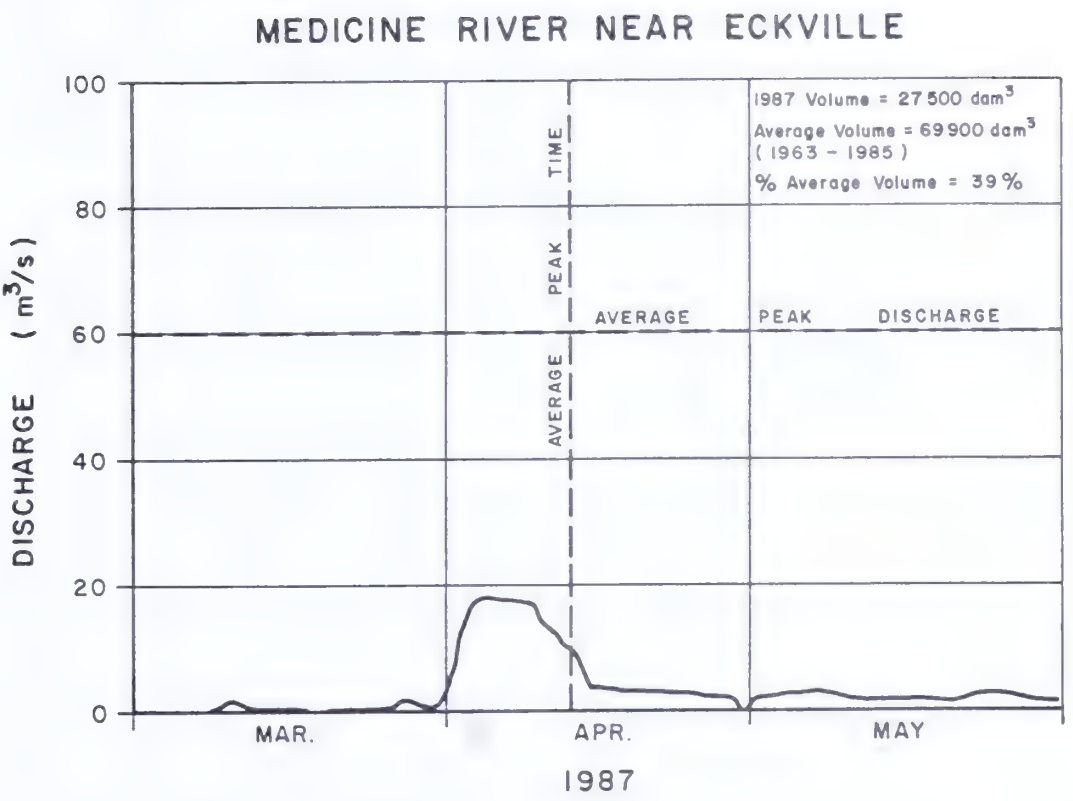
ENVIRONMENT



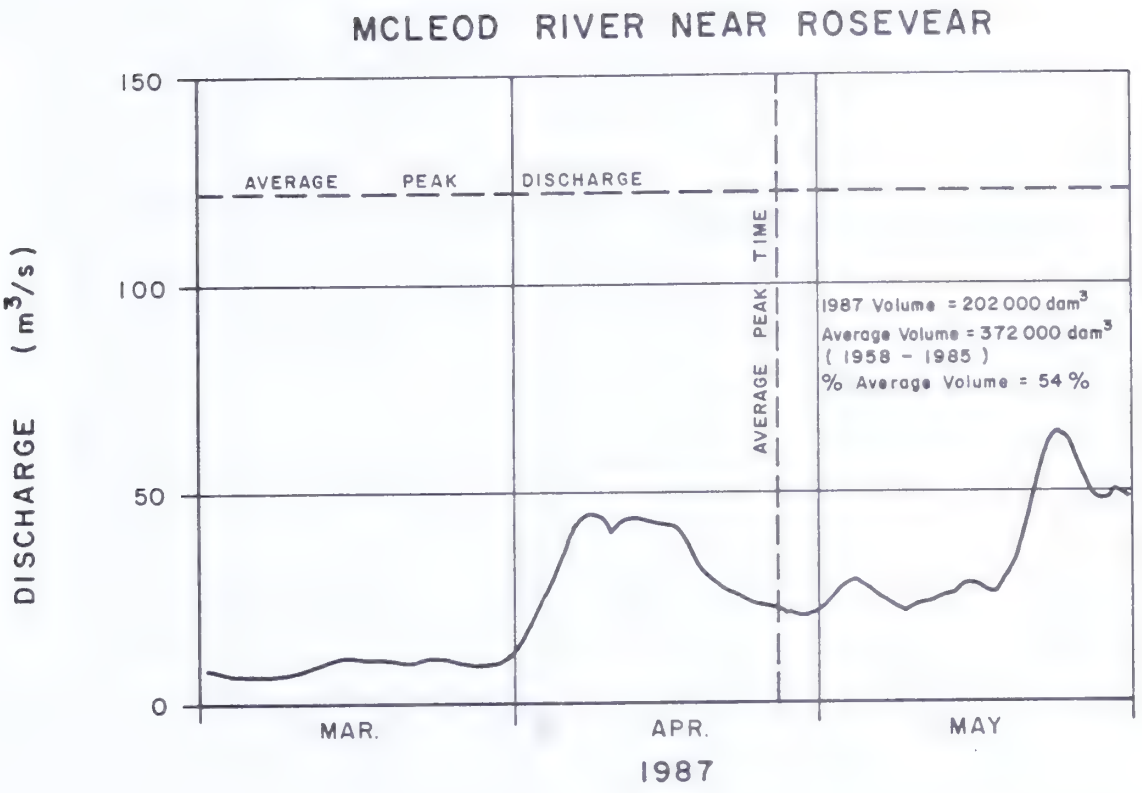
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 11

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
RED DEER AREA
(ZONE 6)

Alberta
ENVIRONMENT



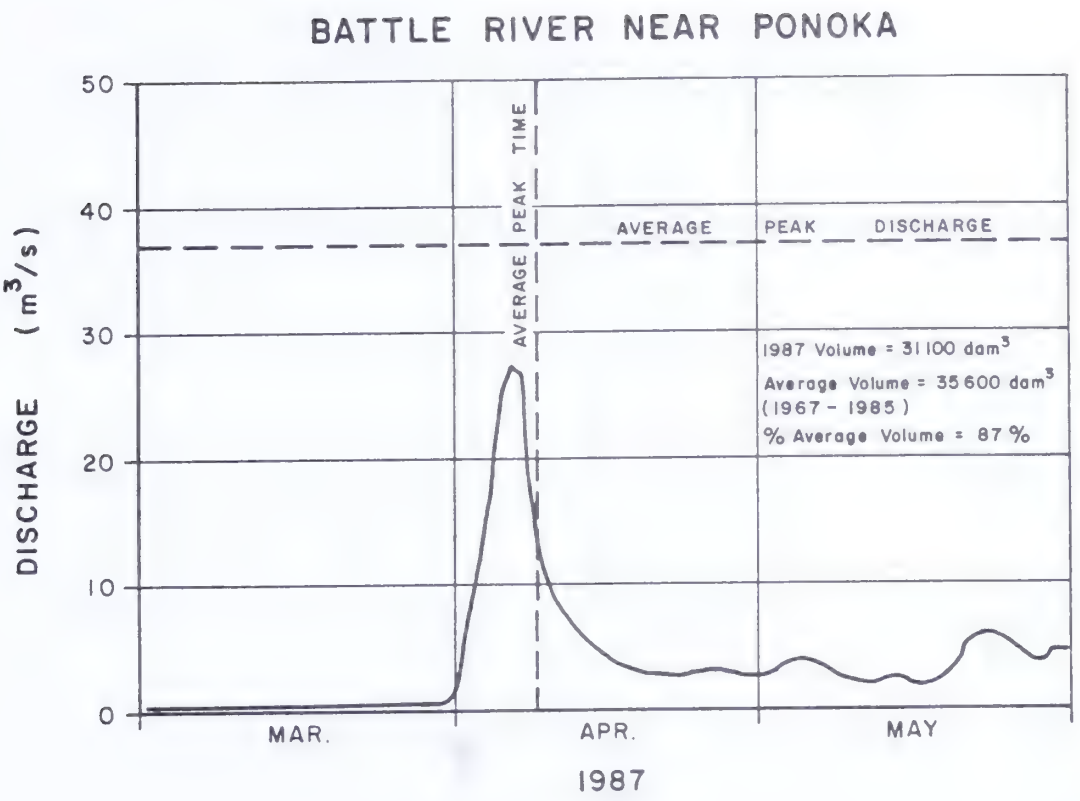
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 12

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
ROCKY MOUNTAIN HOUSE - EDSON AREA
(ZONE 7)

Alberta
ENVIRONMENT



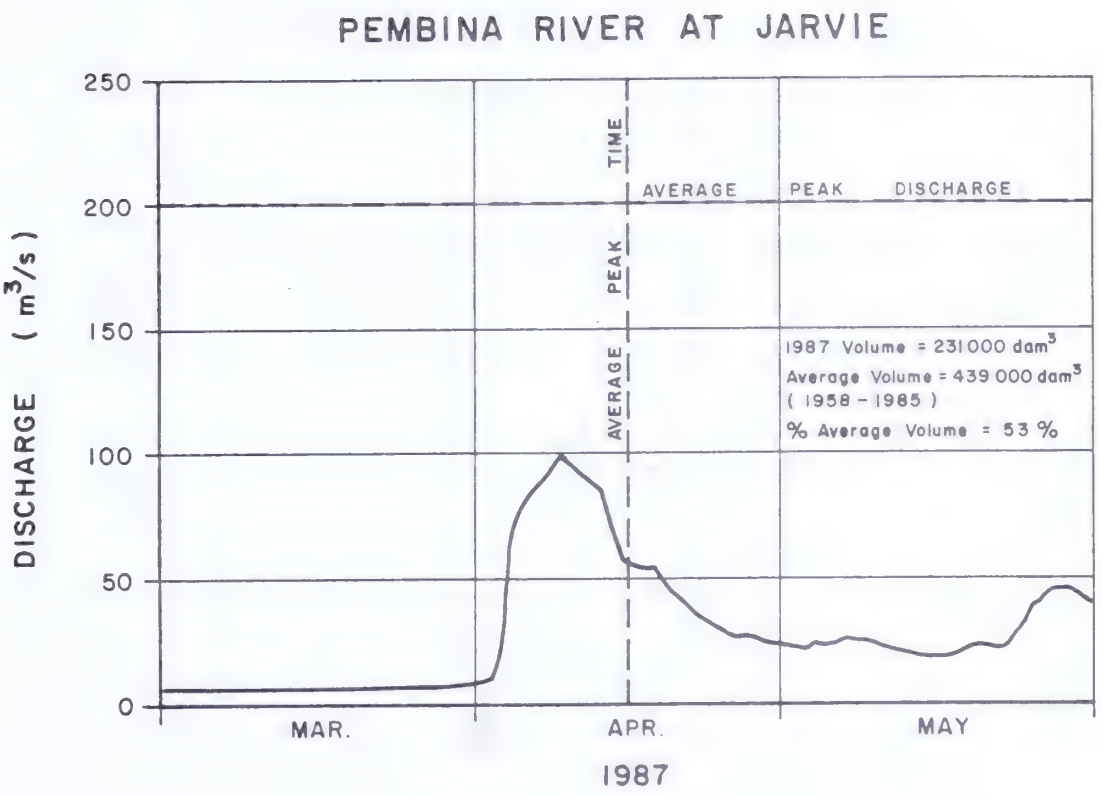
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 13

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
EDMONTON - LLOYDMINSTER AREA
(ZONE 8)

Alberta ENVIRONMENT



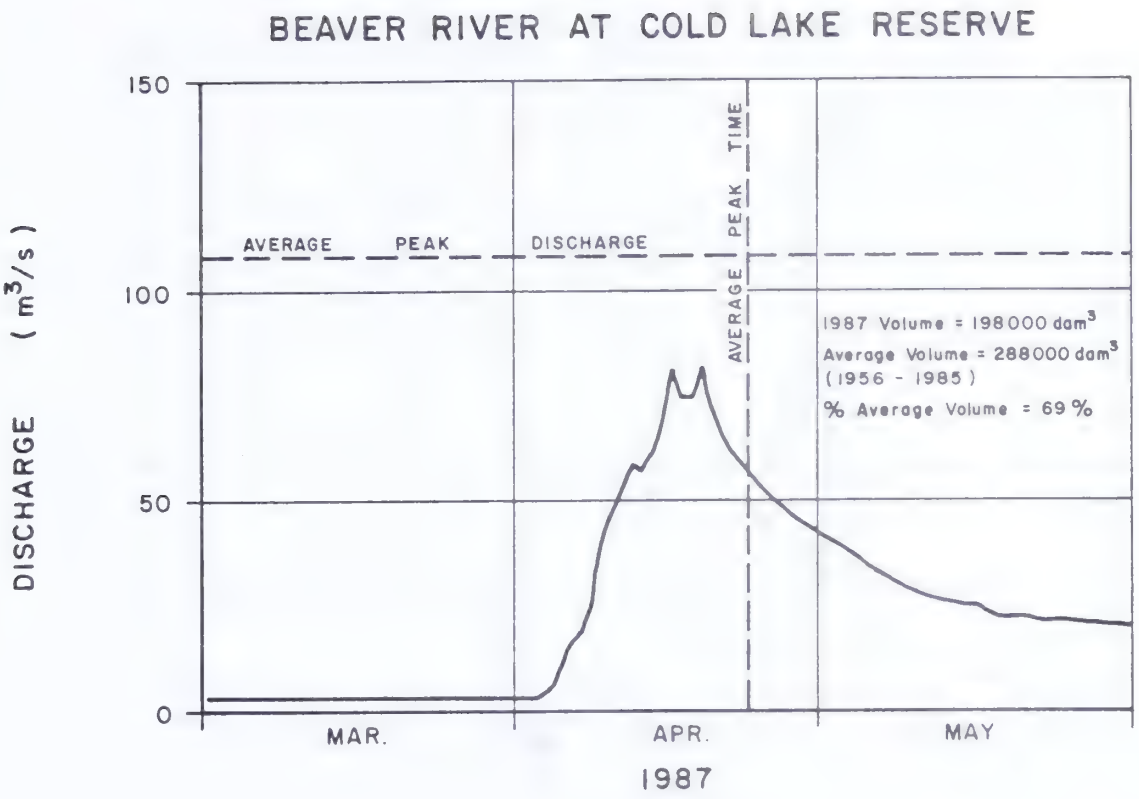
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 14

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
WHITECOURT - ATHABASCA AREA
(ZONE 9)

Alberta
ENVIRONMENT



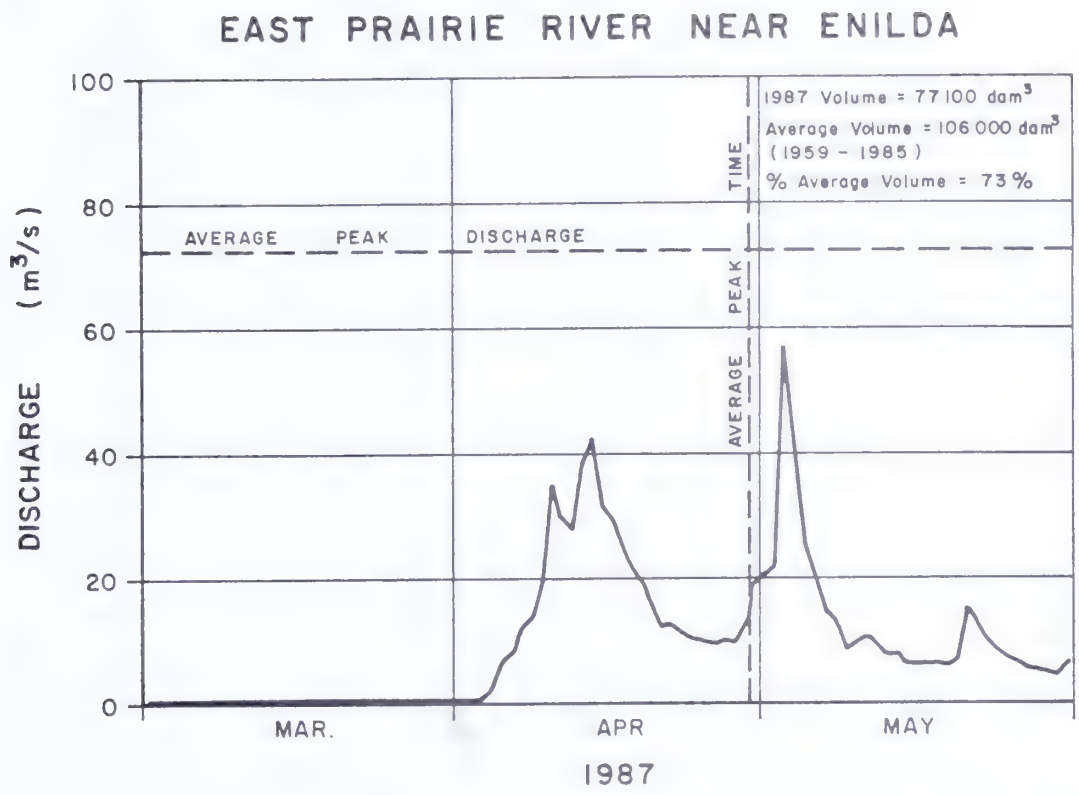
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 15

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
COLD LAKE AREA
(ZONE 10)

Alberta
ENVIRONMENT



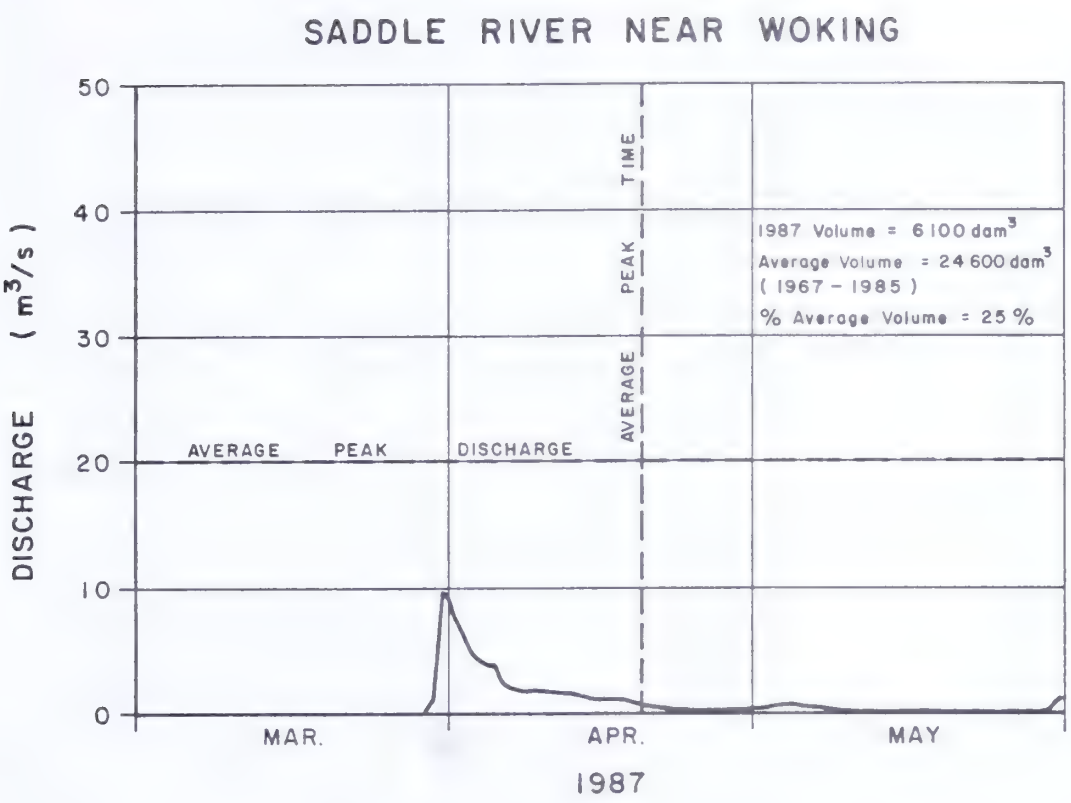
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 16

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
LESSER SLAVE LAKE AREA
(ZONE II)

Alberta ENVIRONMENT



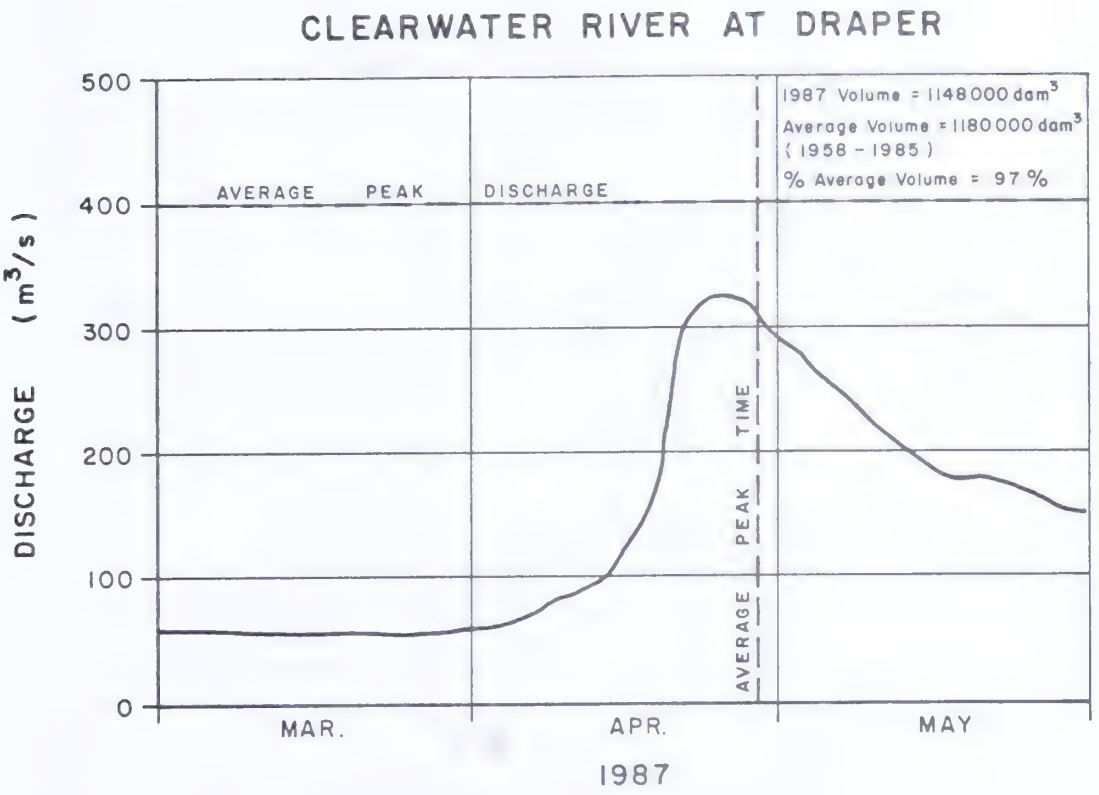
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 17

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
GRANDE PRAIRIE - PEACE RIVER AREA
(ZONE 12)

Alberta
ENVIRONMENT



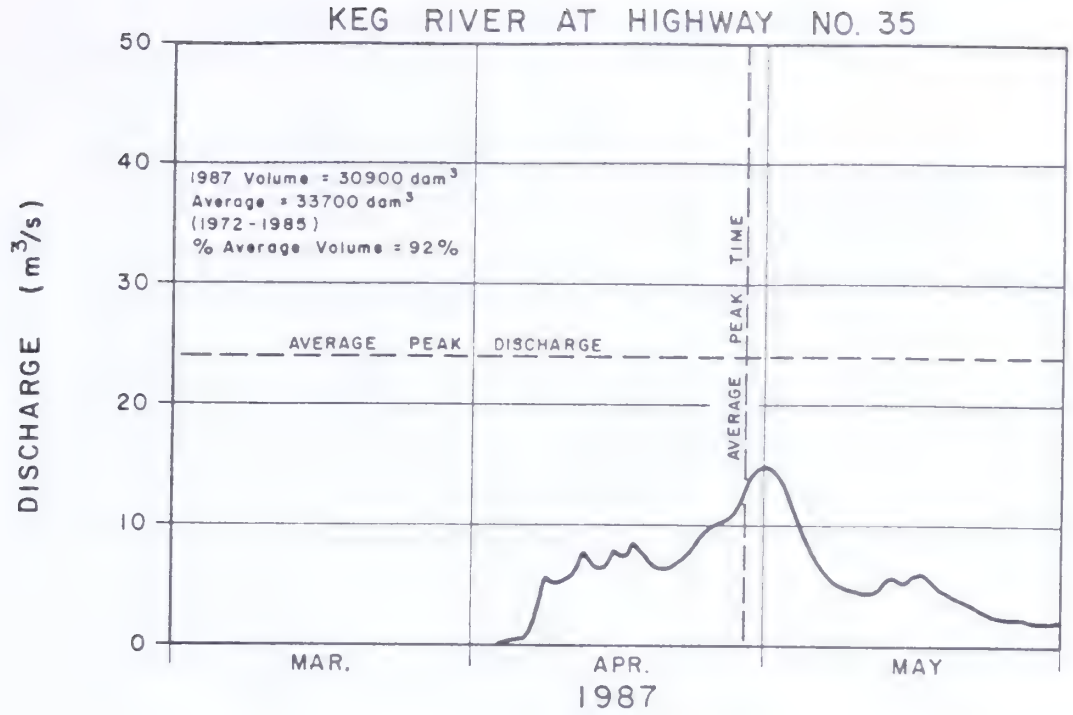
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

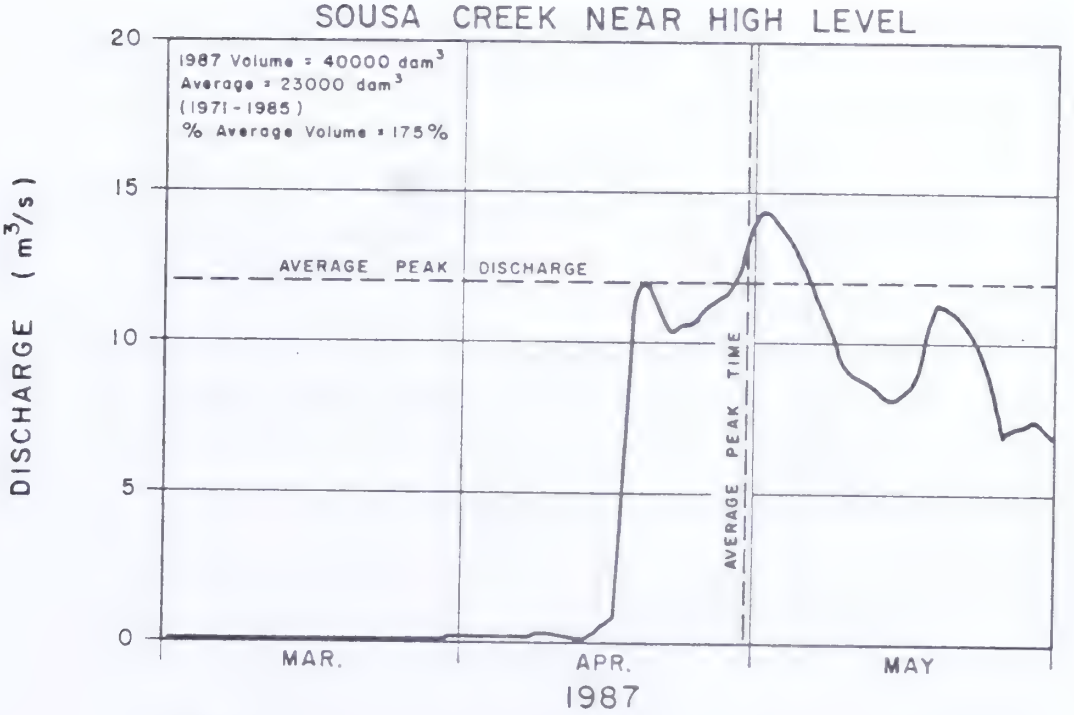
Figure 18

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPH
FORT MCMURRAY AREA
(ZONE 13)

Alberta
ENVIRONMENT





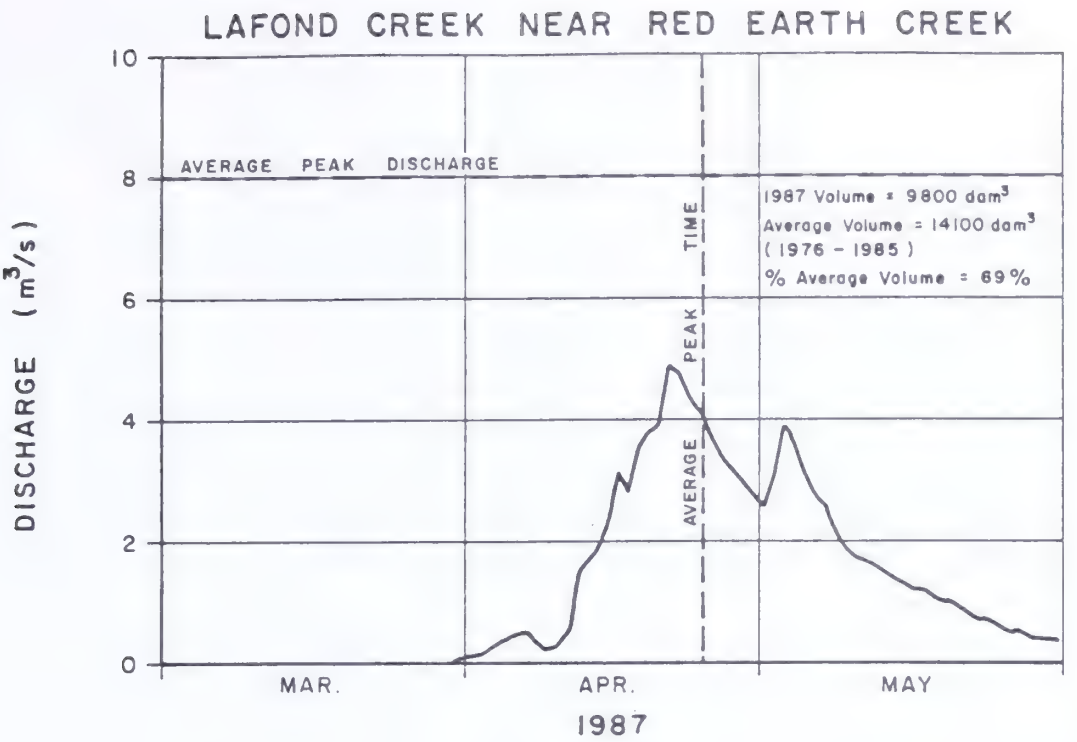
NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

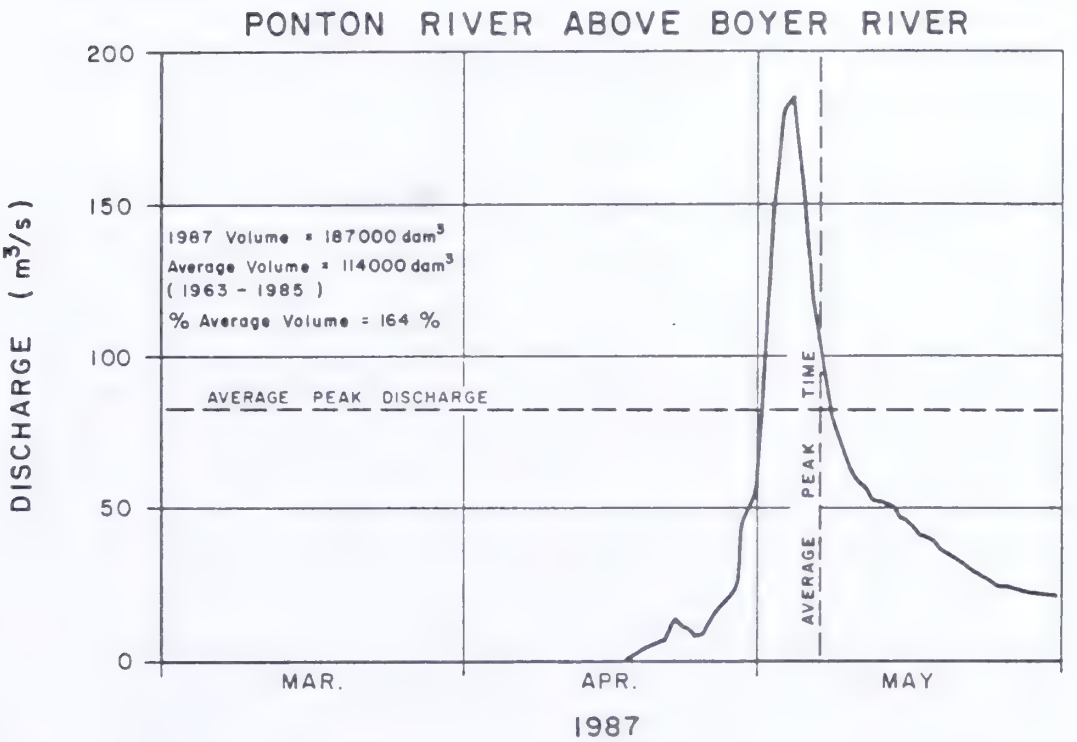
Figure 19

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPHS
ZAMA-HAY LAKES AREA
(ZONE 15)

Alberta ENVIRONMENT





NOTE: Solid line indicates spring runoff for the current year; Average Peak Discharge, Average Peak Time and % Average Volume for the period of record are used as an indication of normal behaviour.

Figure 20

1987 SPRING RUNOFF SUMMARY

STREAMFLOW HYDROGRAPHS
WABASCA - FT. CHIPEWYAN AREA
(ZONE 14)

Alberta ENVIRONMENT

SNOW SURVEY DATA

ZONE 2 - CYPRESS HILLS AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm) 1987	1986	Prior to 1987 Max.	Min.	Avg.	Total Years of Record
Gros Ventre, Middle	10Z04	01-23	38	84	61	66	7	47	7
		02-17	41	114	84	114	31	77	7
Gros Ventre, Upper	10Z05	01-22	21	43	36	81	36	60	6
		02-16	18	48	66	104	46	76	7
Mitchell Creek, Lower	10Z06	01-23	35	89	74	84	48	70	6
		02-16	32	99	99	119	69	100	5
Mitchell Creek, Upper	10Z07	01-22	37	94	91	94	69	81	6
		02-16	33	89	86	114	81	93	6
Ross Creek, Lower	10Z08	01-23	36	71	71	104	38	64	7
		02-16	29	86	107	107	56	88	7
Ross Creek, Upper	10Z09	01-22	36	89	102	102	66	83	5
		02-16	34	107	109	122	81	102	5
Thelma Creek	10Z11	01-22	0	0	0	0	0	0	4
		02-16	0	0	10	119	0	43	4

ZONE 5 - CORONATION - BROOKS AREA (SPECIAL AREAS)

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm) 1987	1986	Prior to 1987 Max.	Min.	Avg.	Total Years of Record
Innisfail (#2) East	13W05	03-02	0	0	0	53	0	26	12
		03-30	8	23	0	122	0	22	12
Kneehill Valley	13W06	03-02	7	13	23	99	15	49	13
		03-30	3	10	0	86	0	32	12

ZONE 6 - RED DEER AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm)					Total Years of Record
						Prior to 1987			
				1987	1986	Max.	Min.	Avg.	
James River	15X10	03-03	18	30	63	107	31	63	13
		03-31	12	34	26	122	26	78	13
Sundre	14X02	03-02	5	4	37	84	6	43	13
		03-31	0	0	0	119	0	36	13
Dickson	14W04	03-03	0	0	28	97	28	55	14
		03-31	0	0	0	112	0	45	13
Hoadley	14W02	03-03	5	4	0	74	0	42	13
		03-31	0	0	0	163	0	45	13
Bentley	14W03	03-03	11	19	11	79	7	43	14
		03-31	0	0	0	150	0	42	13

ZONE 7 - ROCKY MOUNTAIN HOUSE - EDSON AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm)					Total Years of Record
						Prior to 1987			
				1987	1986	Max.	Min.	Avg.	
Brazeau Reservoir	15W01	02-24	27	42	54	94	51	73	11
		03-24	22	53	1	126	0	53	11
Crimson Lake	15W02	02-26	13	27	56	99	8	64	14
		03-26	0	0	0	122	0	62	13
Edson II	16V05	02-24	40	67	46	155	36	79	13
		03-24	37	78	32	168	0	64	13
Obed	17V02	02-24	23	39	48	165	0	71	13
		03-24	15	39	4	196	0	70	13

ZONE 8 - EDMONTON - LLOYDMINSTER AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm)					Total Years of Record
						Prior to 1987			
				1987	1986	Max.	Min.	Avg.	
Bellis	12U01	03-03	41	64	85	122	39	74	14
		03-31	41	102	74	152	29	82	11
Bruce Snow P.	12V02	02-27	26	33	75	75	30	57	12
		04-01	27	68	47	94	10	64	11
Clandonald	10V01	03-04	37	62	68	122	13	59	14
		04-01	29	71	13	168	0	50	13
Coronation II	11W02	03-02	23	52	34	99	13	44	14
		03-30	15	40	0	165	0	31	13
Elk Island Park	12V01	02-27	33	46	71	152	28	75	14
		03-30	36	92	34	180	0	75	11
Gadsby	12W01	03-02	7	10	19	99	0	38	15
		03-30	5	18	0	135	0	17	15
Leduc	13V02	03-04	7	14	30	130	30	70	14
		04-01	0	0	0	168	0	52	13
Lougheed	11W03	03-02	28	58	47	74	30	52	13
		03-30	28	79	0	119	0	44	12
Mannville	11V01	03-04	20	32	58	104	30	56	13
		04-01	19	61	0	109	0	35	12
Morinville	13V03	03-02	8	13	28	130	17	53	14
		03-30	9	26	0	170	0	43	12
Onoway	14V02	03-04	17	32	33	115	15	58	14
		04-01	9	17	0	196	0	40	12
Pipestone Creek	13V04	03-04	7	13	47	102	18	57	12
		04-01	3	11	0	124	0	32	10

ZONE 8 - EDMONTON - LLOYDMINSTER AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm)					Total Years of Record
						Prior to 1987			
				1987	1986	Max.	Min.	Avg.	
Saint Paul	11V02	03-04	20	32	48	99	13	50	14
		04-01	20	55	0	117	0	41	13
Two Hills	11V03	02-27	27	46	48	124	28	58	14
		03-30	30	81	0	152	0	49	12
Wainwright	10W01	03-04	21	52	53	65	28	44	12
		04-01	14	52	0	150	0	31	12
Waskatenau	12U03	03-03	15	30	60	117	30	61	14
		03-31	17	48	2	147	0	56	12
Wetaskiwin	13W07	03-03	10	17	11	69	0	38	14
		03-31	6	24	0	99	0	22	12

ZONE 9 - WHITECOURT - ATHABASCA AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm)					Total Years of Record
						Prior to 1987			
				1987	1986	Max.	Min.	Avg.	
Barrhead North	14U07	03-02	7	6	29	145	18	60	14
		04-01	3	8	0	147	0	47	13
Barrhead West	14U08	03-03	20	43	23	103	13	56	14
		03-31	16	35	0	145	0	43	13
Flatbush	14U09	03-02	31	54	54	131	28	72	14
		03-27	27	72	22	175	0	66	12
Grassland	12U02	03-03	27	51	46	102	8	52	14
		03-31	23	59	0	130	0	53	13
Lodgepole	15V04	02-24	35	61	49	137	42	84	14
		03-24	37	73	18	165	0	76	15
Mayerthorpe S.P.	15V07	01-27	14	33	38	114	23	60	6
		03-03	21	39	38	114	36	70	6
		03-31	9	30	8	150	8	66	6
Meadowview	14U06	03-04	21	42	36	137	30	74	14
		04-01	12	36	0	160	0	65	14
Perryvale	13U05	03-03	33	58	59	137	32	67	14
		03-31	26	65	52	150	0	64	12
Saulteaux River	14T02	03-02	39	62	69	112	38	73	14
		03-30	36	79	33	198	5	71	12
Twin Lakes	14U10	01-27	13	23	1	84	1	43	6
		03-03	20	31	33	94	28	59	6
		04-01	15	39	8	119	8	50	6
Westlock	13U03	03-02	13	21	18	130	13	56	16
		03-30	10	26	0	160	0	39	13
Whitecourt	15U06	03-03	27	47	41	157	28	79	14
		03-31	22	42	35	157	0	68	12

ZONE 10 - COLD LAKE AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm) 1987	1986	Prior to 1987 Max.	Min.	Avg.	Total Years of Record
Bonnyville	10U02	03-03	41	62	69	119	35	60	13
		03-31	38	72	20	155	0	58	13

ZONE 11 - LESSER SLAVE LAKE AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm) 1987	1986	Prior to 1987 Max.	Min.	Avg.	Total Years of Record
High Prairie	16T01	03-04	22	47	13	132	0	63	14
		03-30	17	50	0	185	0	64	12
Kinuso	15T01	03-03	30	53	57	155	23	78	14
		03-31	22	83	107	163	0	77	12

ZONE 12 - GRANDE PRAIRIE - PEACE RIVER AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm) 1987	1986	Prior to 1987 Max.	Min.	Avg.	Total Years of Record
Bezanson	18T02	03-02	15	18	0	145	0	57	13
		03-30	11	36	0	193	0	52	12
Eureka River	18S01	03-02	37	56	65	127	51	74	14
		04-01	29	67	50	155	0	70	11
Fairview	18S02	03-02	22	55	58	130	22	69	14
		04-01	16	55	29	112	0	58	11
Girouxville	17T01	03-04	22	38	22	130	22	61	14
		03-31	14	46	0	124	0	42	12
Hythe	19T01	03-03	21	33	0	142	0	59	13
		04-02	0	0	0	173	0	46	12
Little Smoky R.	17U06	03-04	38	70	33	141	33	82	12
		03-30	30	64	0	164	0	66	11
North Star Manning	17S02	03-02	14	22	0	86	0	35	13
		04-01	4	16	0	107	0	40	10
Rycroft	18T03	03-02	12	15	0	127	0	47	14
		04-01	0	0	0	155	0	45	11
Sexsmith	18T04	03-02	27	69	29	190	29	84	14
		04-01	18	46	0	218	0	82	11
Spring Creek #1	17U02	01-27	26	47	60	137	27	83	21
		03-02	38	67	75	180	56	111	21
		03-30	30	75	53	216	0	101	20
Spring Creek #2	17U03	01-21	26	41	42	130	24	76	21
		03-02	38	67	41	166	41	101	21
		03-30	27	50	0	208	0	83	20
Spring Creek #3	17U04	03-02	44	71	64	180	48	108	20
		03-30	32	75	0	216	0	96	20
Spring Creek #4	17U05	03-02	37	66	71	189	51	111	20
		03-30	30	81	0	224	0	102	19

ZONE 14 - WABASCA - FORT CHIPEWYAN AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm) 1987	1986	Prior to 1987 Max.	Min.	Avg.	Total Years of Record
Embarras Portage	11Q01	02-04	46	74	71	76	46	58	9
		03-02	48	76	89	102	41	70	13
		03-16	56	122	81	112	48	77	14
		04-03	54	114	81	99	38	66	11
Fort Chipewyan	11Q02	02-03	42	51	51	86	28	50	14
		02-25	45	53	53	122	28	64	13
		03-18	55	119	61	152	28	76	15
		03-31	57	145	89	127	41	83	14
		04-13	48	117	N/A	114	43	77	5
Highrock Tower	11Q03	02-03	45	58	48	114	27	53	13
		02-25	50	79	66	122	30	69	13
		03-18	61	130	64	130	33	75	13
		03-31	60	114	76	142	38	83	13
Jackfish Village	10Q01	02-05	44	64	69	76	38	52	11
		02-24	46	69	53	94	43	66	11
		03-19	53	122	64	102	33	69	14
		04-01	52	155	84	104	23	76	13
Sweetgrass	12Q01	02-02	47	53	51	51	25	40	9
		03-04	59	114	51	140	36	64	11
		03-17	61	135	61	137	0	60	10
		04-02	60	135	74	137	28	68	11

ZONE 15 - ZAMA - HAY LAKES AREA

Station Name	Station Code	Date of Survey mo-dy	Snow Depth 1987 (cm)	Water Equivalent (mm)					Total Years of Record
						Prior to 1987			
				1987	1986	Max.	Min.	Avg.	
Assumption	18Q01	03-03	69	109	94	--	--	--	2
		03-31	65	124	86	--	--	--	2
Fort Vermilion	16Q01	03-04	56	113	83	--	--	--	2
		04-01	57	116	107	--	--	--	2
High Level	17Q01	03-03	59	116	88	--	--	--	2
		03-31	61	128	75	--	--	--	2
Keg River	17R01	N/A	--	--	--	--	--	--	1
		03-31	39	88	39	--	--	--	2

N.A. - not available

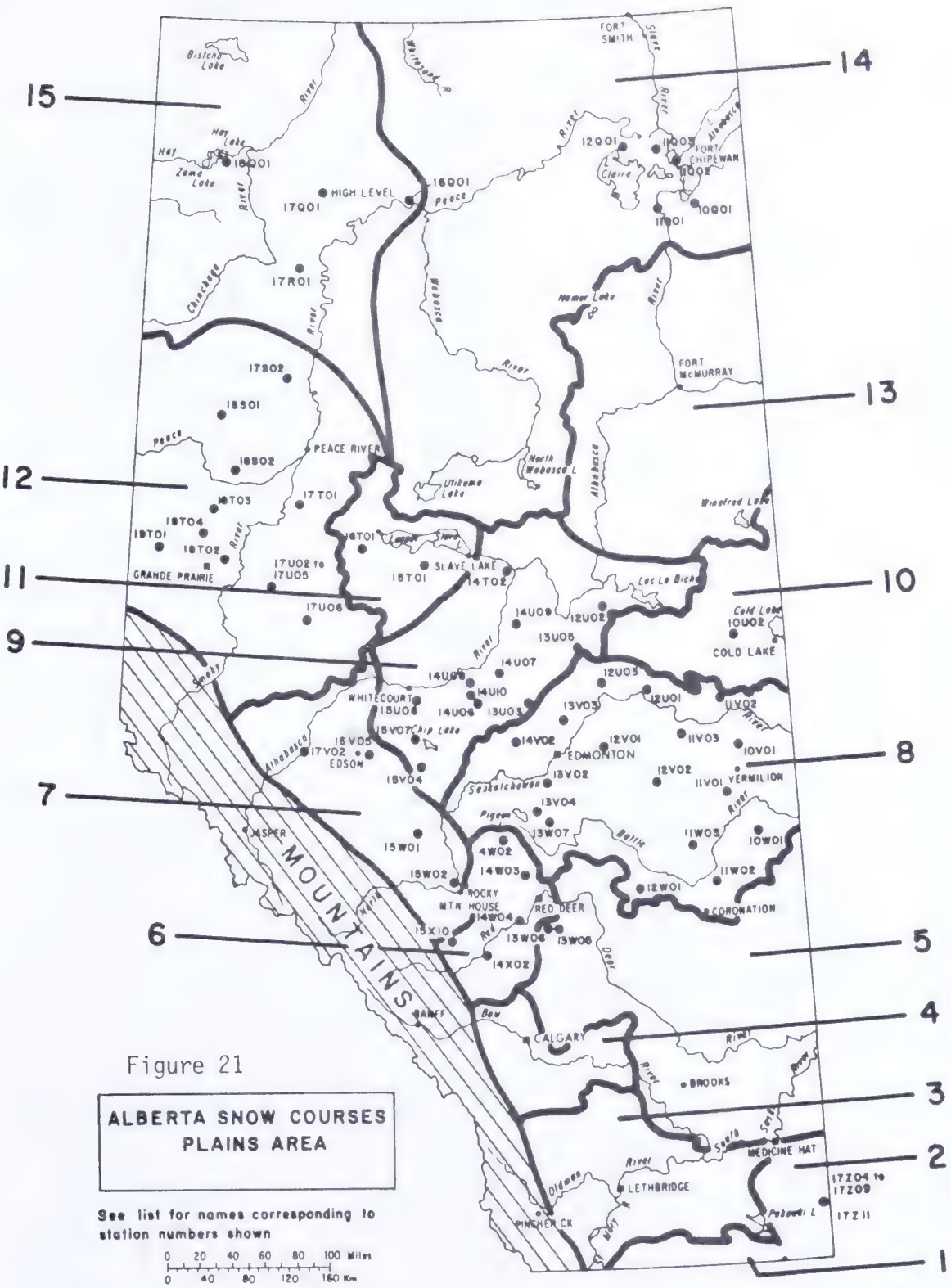


Figure 21

ALBERTA SNOW COURSES PLAINS AREA

See list for names corresponding to station numbers shown

0 20 40 60 80 100 Miles
0 40 80 120 160 Km

Alberta ENVIRONMENT

ALBERTA SNOW COURSES - PLAINS AREA

Station Number	Station Name	Location Latitude	Location Longitude	Elevation (metres)	Year Established
ZONE 2 - CYPRESS HILLS AREA					
10Z04	Gros Ventre, Middle	49°39'	110°22'	1220	1980
10Z05	Gros Ventre, Upper	49°38'	110°19'	1460	1980
10Z06	Mitchell Creek, Lower	49°37'	110°19'	1230	1981
10Z07	Mitchell Creek, Upper	49°40'	110°18'	1450	1981
10Z08	Ross Creek, Lower	49°41'	110°16'	1220	1980
10Z09	Ross Creek, Upper	49°40'	110°14'	1430	1981
10Z11	Thelma Creek	49°34'	110°16'	1295	1981
ZONE 5 - CORONATION BROOKS AREA					
13W05	Innisfail, East	52°01'	113°35'	910	1973
13W06	Kneehill Valley	52°00'	113°42'	970	1973
ZONE 6 - RED DEER AREA					
15X10	James River	51°54'	115°00'	1210	1973
14X02	Sundre	51°47'	114°31'	1060	1973
14W04	Dickson	52°05'	114°10'	910	1973
14W02	Hoadley	52°49'	114°23'	970	1972
14W03	Bentley	52°29'	114°04'	910	1973
ZONE 7 - ROCKY MOUNTAIN HOUSE - EDSON AREA					
15W01	Brazeau	52°57'	115°41'	970	1977
15W02	Crimson Lake	52°25'	115°02'	970	1973
16V05	Edson	53°35'	116°14'	910	1973
17V02	Obed	53°34'	117°13'	1090	1973

ALBERTA SNOW COURSES - PLAINS AREA

Station Number	Station Name	Location Latitude	Location Longitude	Elevation (metres)	Year Established
ZONE 8 - EDMONTON - LLOYDMINSTER AREA					
12U01	Bellis	54°07'	112°05'	670	1973
12V02	Bruce	53°17'	112°04'	670	1975
10V01	Clandonald	53°34'	110°52'	640	1973
11W02	Coronation	52°13'	111°15'	760	1973
12V01	Elk Island National Park	53°35'	112°50'	700	1973
12W01	Gadsby	52°19'	112°23'	790	1973
13V02	Leduc	53°16'	113°33'	730	1973
11W03	Lougheed	52°40'	111°33'	670	1973
11V01	Mannville	53°10'	111°12'	670	1973
13V03	Morinville	53°51'	113°29'	700	1973
14V02	Onoway	53°43'	114°10'	700	1973
13V04	Pipestone Creek	53°04'	113°49'	790	1976
11V02	St. Paul	53°59'	111°01'	640	1973
11V03	Two Hills	53°43'	111°43'	640	1973
10W01	Wainwright	52°43'	110°37'	670	1973
12U03	Waskatenau	54°11'	112°50'	640	1973
13W07	Wetaskiwin	52°59'	113°38'	790	1973
ZONE 9 - WHITECOURT - ATHABASCA AREA					
14U07	Barrhead, North	54°16'	114°21'	670	1973
14U08	Barrhead, West	54°11'	114°48'	670	1973
14U09	Flatbush	54°44'	114°05'	640	1973
12U02	Grassland	54°49'	112°41'	570	1973
15V04	Lodgepole	53°30'	115°21'	850	1961
15V07	Mayerthorpe	53°51'	115°19'	760	1982
14U06	Meadowview	53°59'	114°41'	670	1960
13U05	Perryvale	54°28'	113°10'	670	1973
14T02	Saulteaux River	55°10'	114°14'	570	1973
14U10	Twin Lakes	54°03'	114°48'	655	1982
13U03	Westlock	54°00'	113°58'	700	1959
15U06	Whitecourt	54°05'	115°36'	790	1973

ALBERTA SNOW COURSES - PLAINS AREA

Station Number	Station Name	Location Latitude	Location Longitude	Elevation (metres)	Year Established
ZONE 10 - COLD LAKE AREA					
10U02	Bonnyville, North	54°30'	110°40'	540	1973
ZONE 11 - LESSER SLAVE LAKE AREA					
16T01	High Prairie	55°24'	116°27'	570	1973
15T01	Kinuso	55°20'	115°24'	640	1973
ZONE 12 - GRANDE PRAIRIE - PEACE RIVER AREA					
18T02	Bezanson	55°14'	118°31'	700	1973
18S01	Eureka River	56°31'	118°45'	700	1973
18S02	Fairview	56°03'	118°24'	640	1973
17T01	Girouxville	55°46'	117°20'	570	1973
19T01	Hythe	55°19'	119°34'	760	1973
17U06	Little Smoky	54°44'	117°09'	670	1973
17S02	North Star Manning	56°52'	117°38'	480	1973
18T03	Rycroft	55°41'	118°44'	640	1973
18T04	Sexsmith	55°25'	118°52'	780	1973
17U02	Spring Creek #1	54°57'	117°45'	720	1967
17U03	Spring Creek #2	54°55'	117°49'	650	1967
17U04	Spring Creek #3	54°57'	117°41'	730	1967
17U05	Spring Creek #4	54°55'	117°41'	740	1967
ZONE 14 - WABASCA - FORT CHIPEWYAN AREA					
11Q01	Embarras Portage	58°23'	111°32'	210	1973
11Q02	Fort Chipewyan	58°45'	111°07'	210	1973
11Q03	Highrock Tower	58°48'	111°33'	210	1974
10001	Jackfish Village	58°25'	110°56'	210	1974
12Q01	Sweetgrass	58°51'	112°00'	210	1977

ALBERTA SNOW COURSES - PLAINS AREA

Station Number	Station Name	Location Latitude	Location Longitude	Elevation (metres)	Year Established
ZONE 15 - ZAMA - HAY LAKES AREA					
18Q01	Assumption	58°36'	118°28'	370	1986
16Q01	Fort Vermilion	58°23'	116°02'	280	1986
17Q01	High Level	58°31'	117°11'	330	1986
17R01	Keg River	57°38'	117°34'	440	1986